

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041921\
 Data File : BM029543.D
 Acq On : 19 Apr 2021 16:41
 Operator : CG/JU
 Sample : M2074-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNPH2-B-2D

Manual Integrations
 APPROVED

mohammad
 4/21/2021 8:35:27 AM

Quant Time: Apr 19 17:26:29 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 16 11:56:50 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	104238	20.00	ng	0.00
21) Naphthalene-d8	10.445	136	415675	20.00	ng	-0.01
39) Acenaphthene-d10	14.304	164	219402	20.00	ng	-0.01
64) Phenanthrene-d10	17.051	188	373719	20.00	ng	0.00
76) Chrysene-d12	21.227	240	358081	20.00	ng	# 0.00
86) Perylene-d12	23.433	264	407495	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.269	112	925664	146.62	ng	0.00
7) Phenol-d6	6.851	99	1186993	133.18	ng	0.00
23) Nitrobenzene-d5	8.822	82	840660	92.72	ng	0.00
42) 2,4,6-Tribromophenol	15.798	330	272217	124.13	ng	0.00
45) 2-Fluorobiphenyl	12.927	172	1367348	86.82	ng	0.00
79) Terphenyl-d14	19.680	244	1480553	78.53	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.875	94	29300	3.34	ng	88
20) 3+4-Methylphenols	8.434	107	70998	9.17	ng	93
31) Naphthalene	10.492	128	91222	4.16	ng	99
50) Dimethylphthalate	13.763	163	37278	2.35	ng	99
71) Phenanthrene	17.092	178	112373	5.20	ng	97
75) Fluoranthene	19.109	202	146788	6.10	ng	97
78) Pyrene	19.468	202	138233	5.56	ng	99
81) Benzo(a)anthracene	21.215	228	63064	2.64	ng	# 84
83) Chrysene	21.268	228	74501m	3.18	ng	
84) Bis(2-ethylhexyl)phtha...	21.145	149	163798	9.50	ng	# 95
88) Benzo(b)fluoranthene	22.774	252	88841	3.32	ng	# 86
90) Benzo(a)pyrene	23.339	252	66123	2.70	ng	# 81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

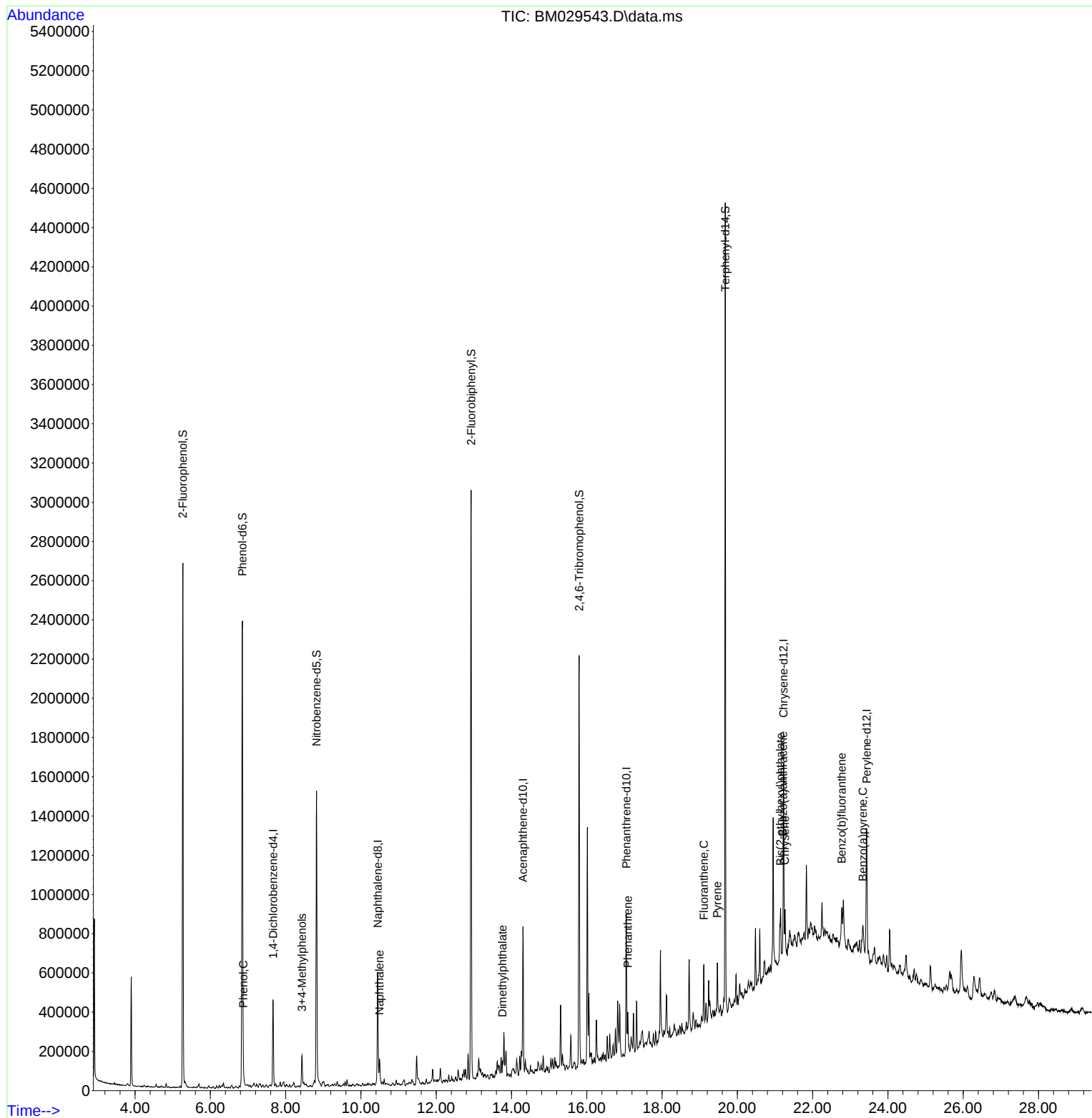
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041921\
Data File : BM029543.D
Acq On : 19 Apr 2021 16:41
Operator : CG/JU
Sample : M2074-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

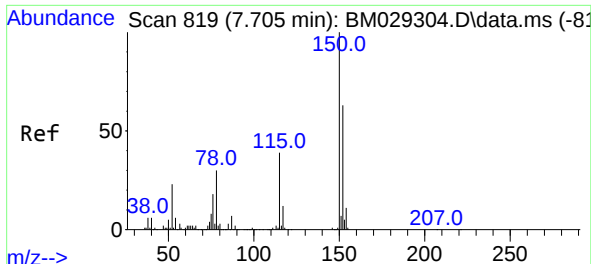
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-2D

Manual Integrations
APPROVED

mohammad
4/21/2021 8:35:27 AM

Quant Time: Apr 19 17:26:29 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 16 11:56:50 2021
Response via : Initial Calibration





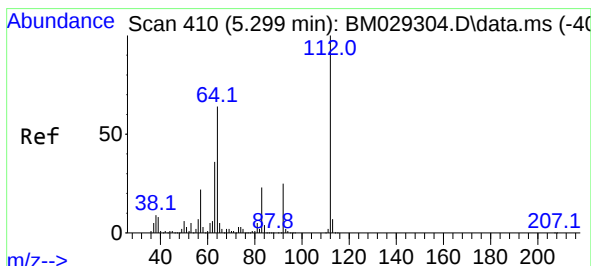
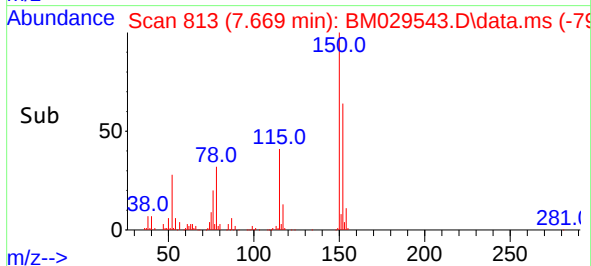
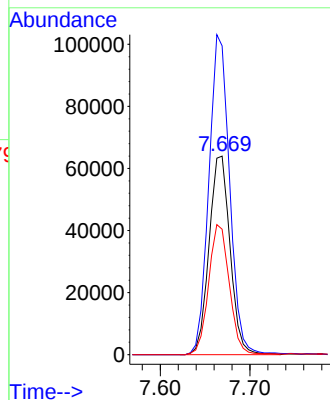
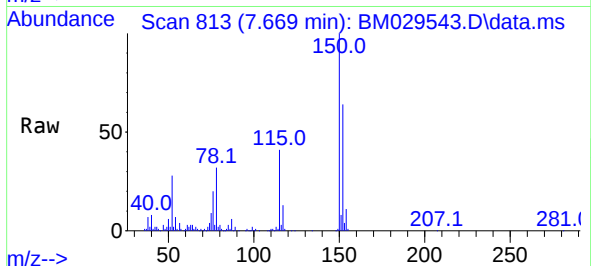
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.669 min Scan# 813
Delta R.T. -0.006 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41

Tgt Ion:152 Resp: 104238
Ion Ratio Lower Upper
152 100
150 155.5 124.3 186.5
115 63.2 46.4 69.6

Instrument :
BNA_M
ClientSampleId :
VNPH2-B-2D

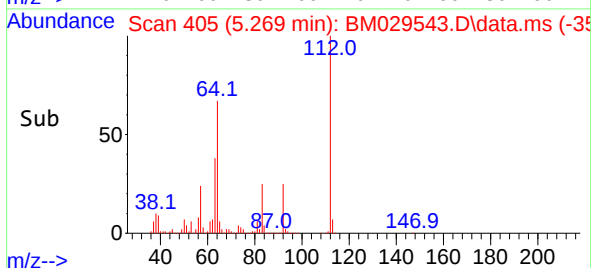
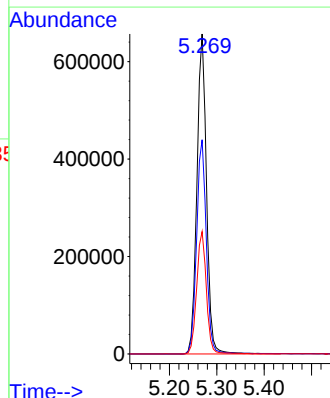
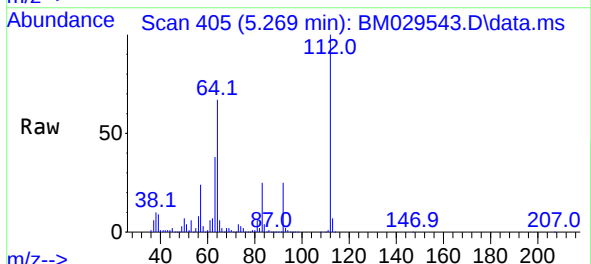
Manual Integrations
APPROVED

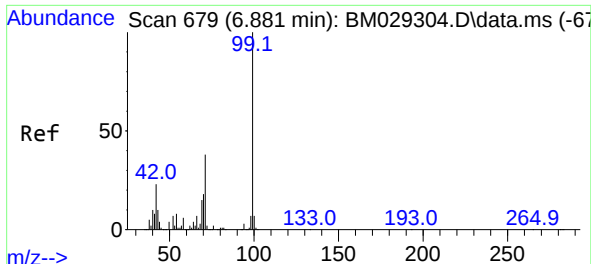
mohammad
4/21/2021 8:35:27 AM



#5
2-Fluorophenol
Concen: 146.62 ng
RT: 5.269 min Scan# 405
Delta R.T. -0.000 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41

Tgt Ion:112 Resp: 925664
Ion Ratio Lower Upper
112 100
64 66.9 51.6 77.4
63 38.2 29.0 43.4





#7
Phenol-d6
Concen: 133.18 ng
RT: 6.851 min Scan# 674
Delta R.T. -0.000 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41

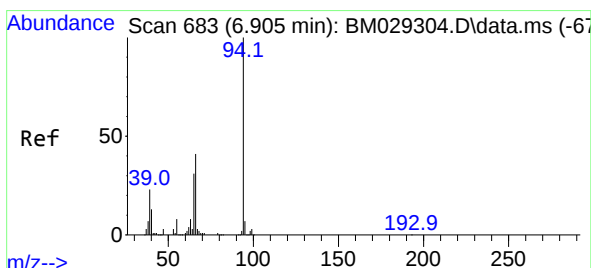
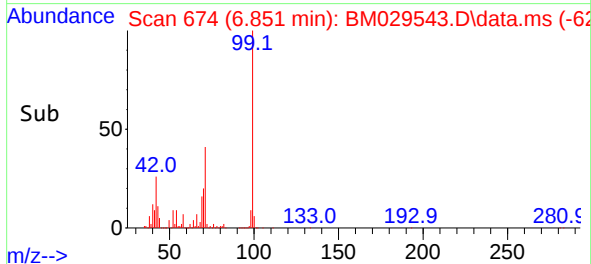
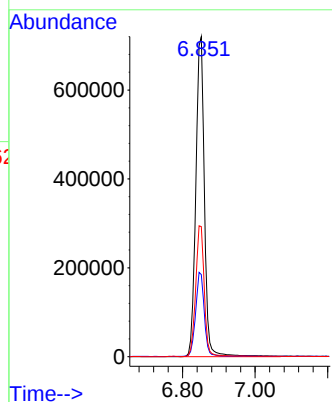
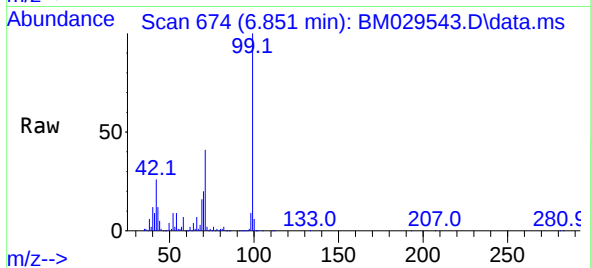
Tgt Ion: 99 Resp: 1186993

Ion	Ratio	Lower	Upper
99	100		
42	25.7	18.5	27.7
71	40.6	31.8	47.6

Instrument :
BNA_M
ClientSampleId :
VNPH2-B-2D

Manual Integrations
APPROVED

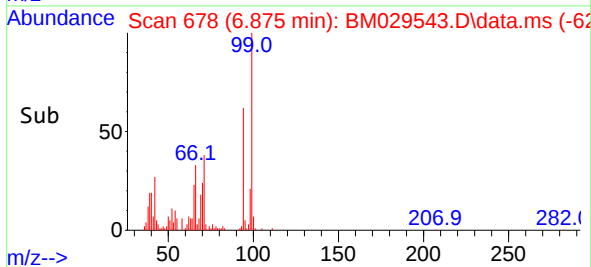
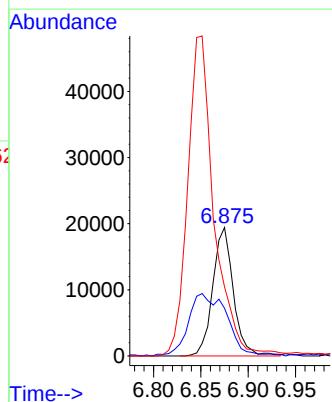
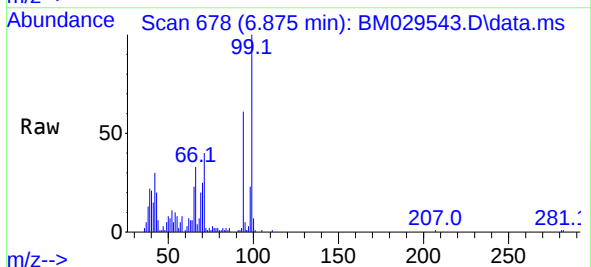
mohammad
4/21/2021 8:35:27 AM

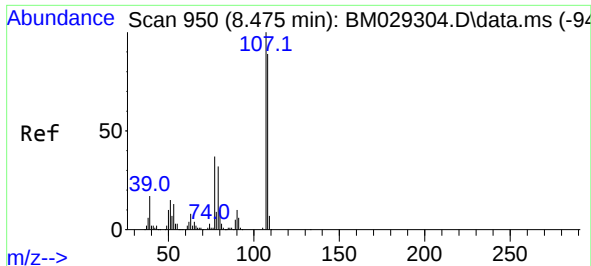


#10
Phenol
Concen: 3.34 ng
RT: 6.875 min Scan# 678
Delta R.T. -0.000 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41

Tgt Ion: 94 Resp: 29300

Ion	Ratio	Lower	Upper
94	100		
65	37.1	13.0	53.0
66	53.8	24.1	64.1





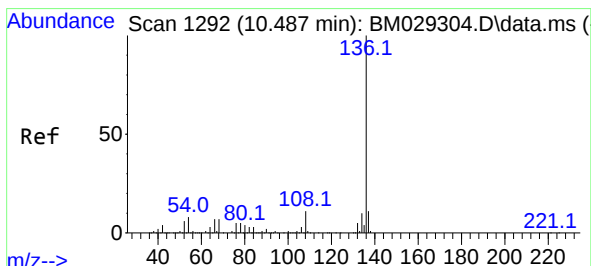
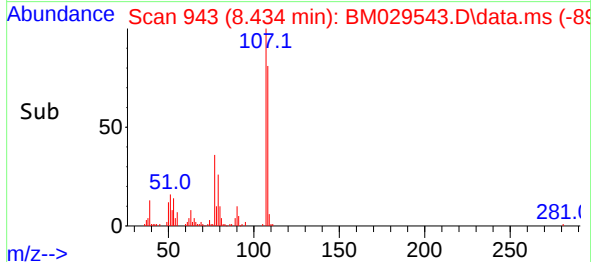
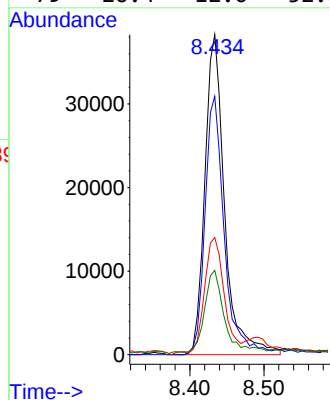
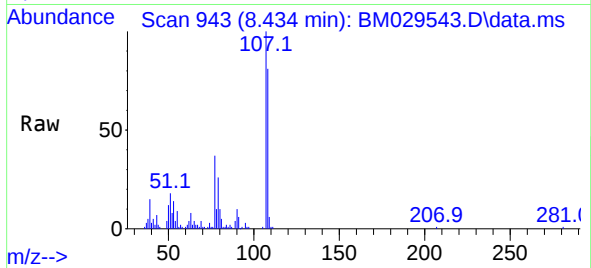
#20
3+4-Methylphenols
Concen: 9.17 ng
RT: 8.434 min Scan# 943
Delta R.T. -0.012 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41

Tgt Ion:	107	Resp:	70998
Ion	Ratio	Lower	Upper
107	100		
108	80.8	68.5	108.5
77	36.6	17.0	57.0
79	26.4	12.0	52.0

Instrument :
BNA_M
ClientSampleId :
VNPH2-B-2D

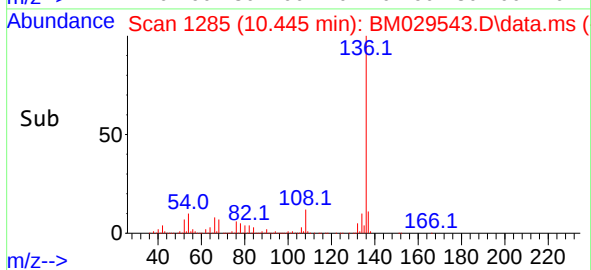
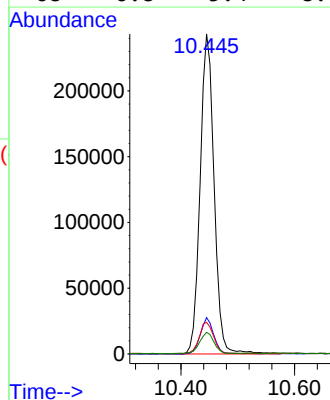
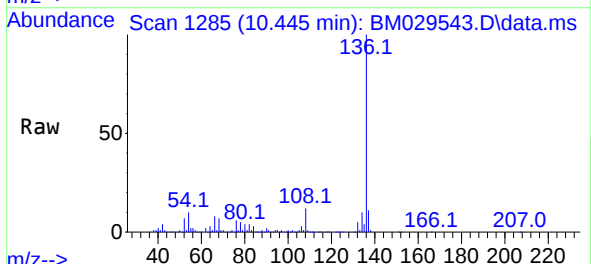
Manual Integrations
APPROVED

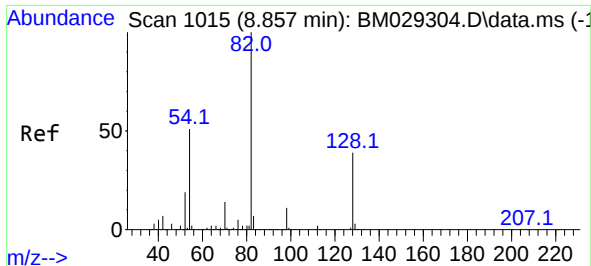
mohammad
4/21/2021 8:35:27 AM



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.445 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41

Tgt Ion:	136	Resp:	415675
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	9.9	6.9	10.3
68	6.8	5.4	8.0





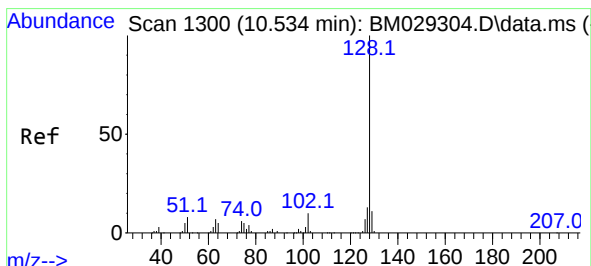
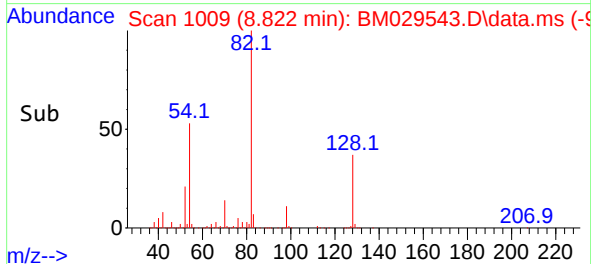
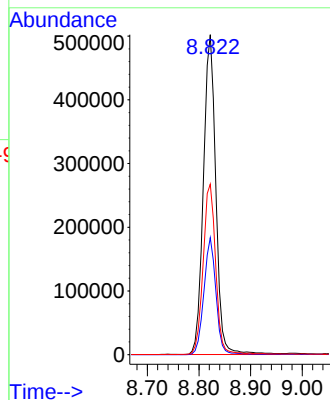
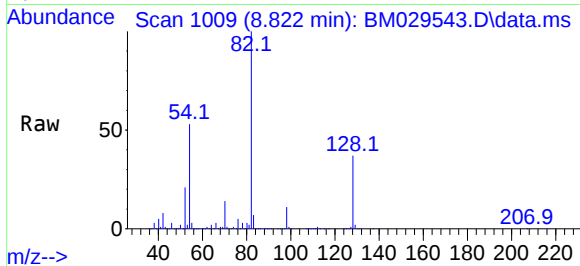
#23
Nitrobenzene-d5
Concen: 92.72 ng
RT: 8.822 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41

Tgt Ion: 82 Resp: 840660
Ion Ratio Lower Upper
82 100
128 36.6 28.6 42.8
54 53.3 40.7 61.1

Instrument :
BNA_M
ClientSampleId :
VNPH2-B-2D

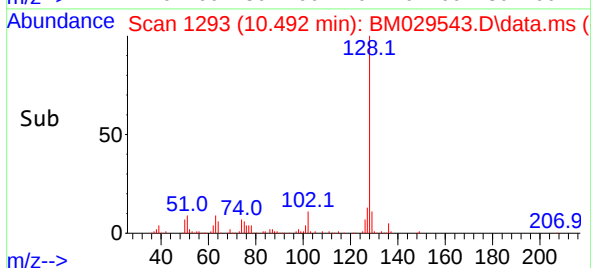
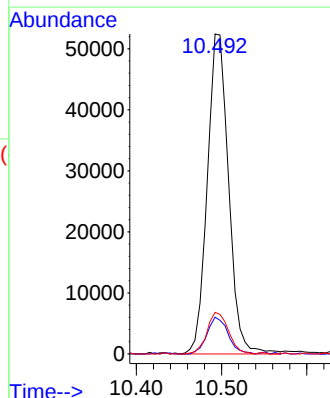
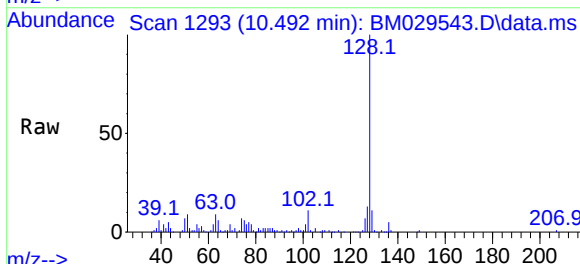
Manual Integrations
APPROVED

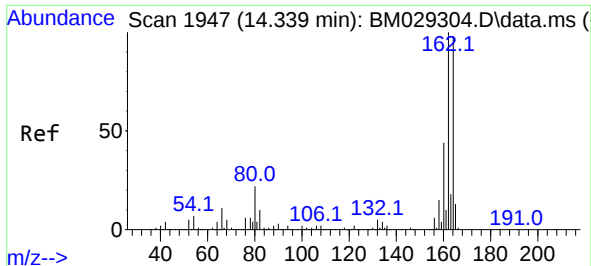
mohammad
4/21/2021 8:35:27 AM



#31
Naphthalene
Concen: 4.16 ng
RT: 10.492 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41

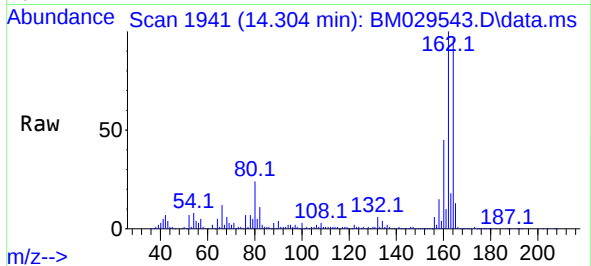
Tgt Ion: 128 Resp: 91222
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.6
127 13.0 10.7 16.1





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.304 min Scan# 1941
Delta R.T. -0.012 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41

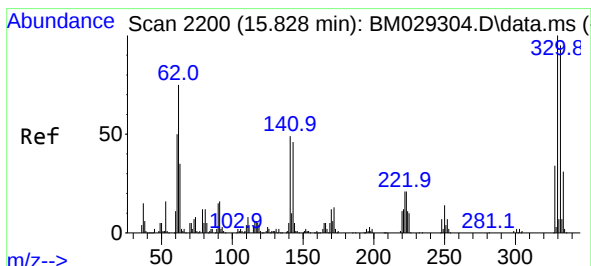
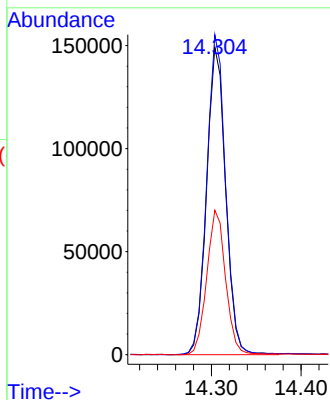
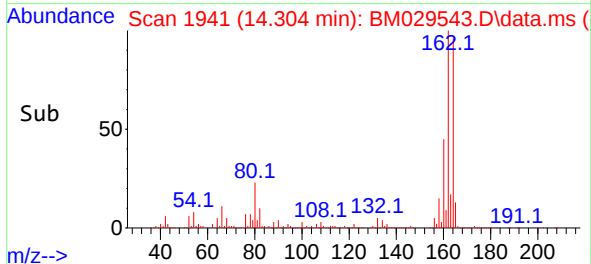
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-2D



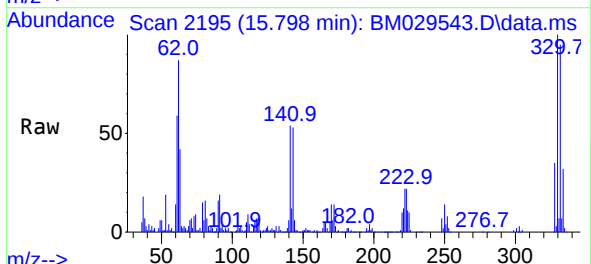
Tgt Ion:164 Resp: 219402
Ion Ratio Lower Upper
164 100
162 104.1 84.4 126.6
160 47.0 36.6 54.8

Manual Integrations
APPROVED

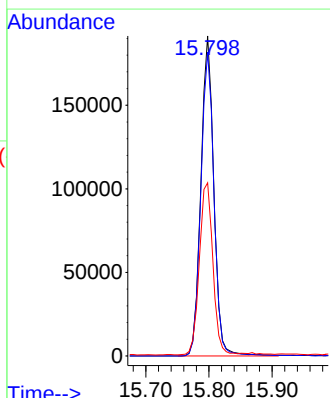
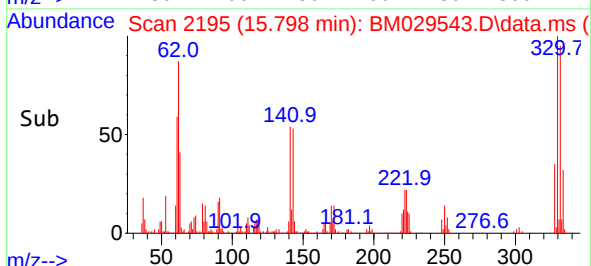
mohammad
4/21/2021 8:35:27 AM

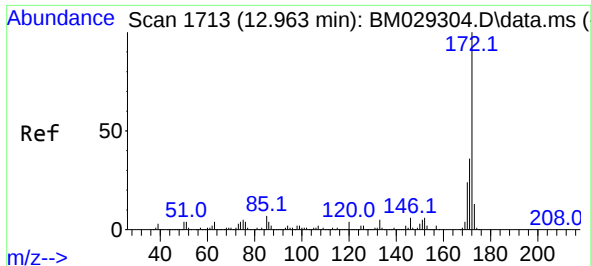


#42
2,4,6-Tribromophenol
Concen: 124.13 ng
RT: 15.798 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41



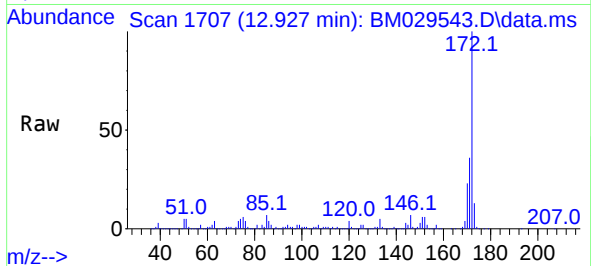
Tgt Ion:330 Resp: 272217
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 56.0 39.2 58.8





#45
2-Fluorobiphenyl
Concen: 86.82 ng
RT: 12.927 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41

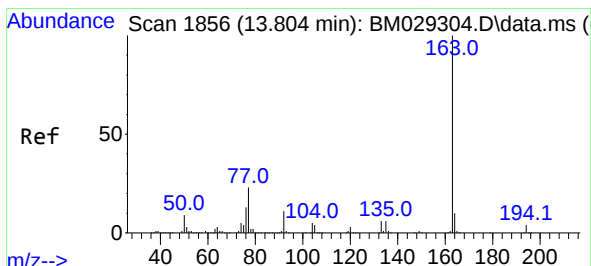
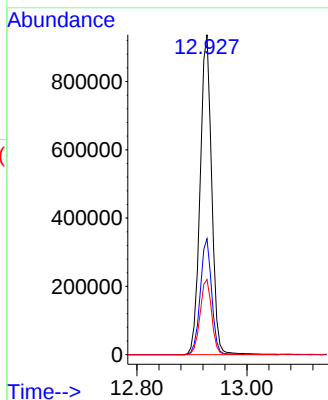
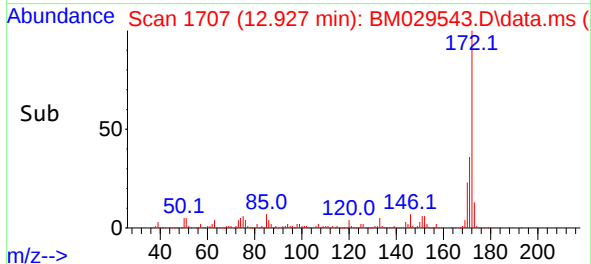
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-2D



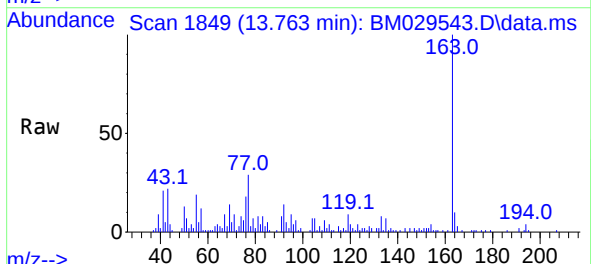
Tgt Ion:172 Resp: 1367348
Ion Ratio Lower Upper
172 100
171 36.2 28.7 43.1
170 23.5 18.8 28.2

Manual Integrations
APPROVED

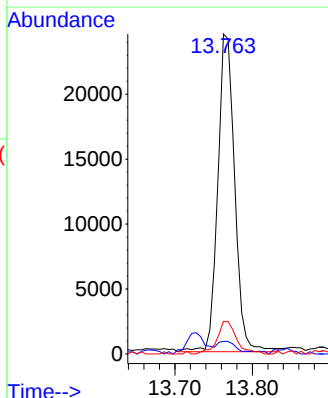
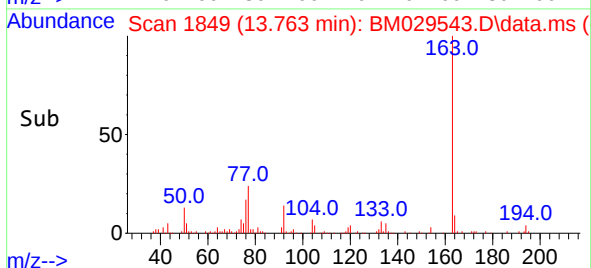
mohammad
4/21/2021 8:35:27 AM

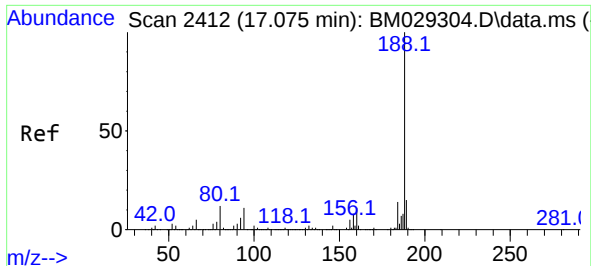


#50
Dimethylphthalate
Concen: 2.35 ng
RT: 13.763 min Scan# 1849
Delta R.T. -0.018 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41



Tgt Ion:163 Resp: 37278
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 10.2 7.9 11.9





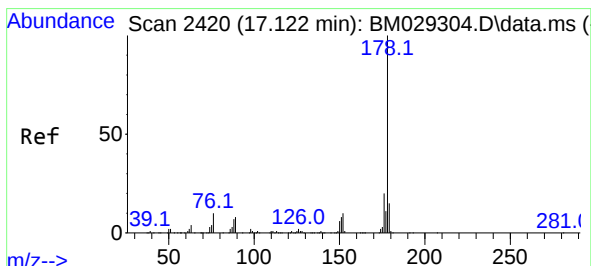
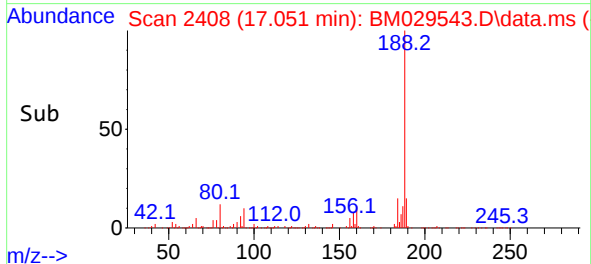
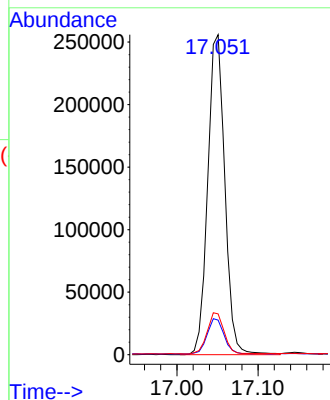
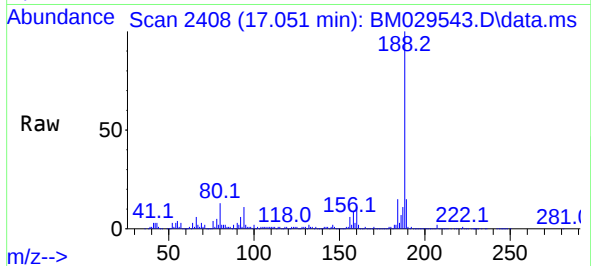
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.051 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41

Instrument :
BNA_M
ClientSampleId :
VNPH2-B-2D

Tgt Ion:188 Resp: 373719
Ion Ratio Lower Upper
188 100
94 10.8 8.1 12.1
80 12.8 9.2 13.8

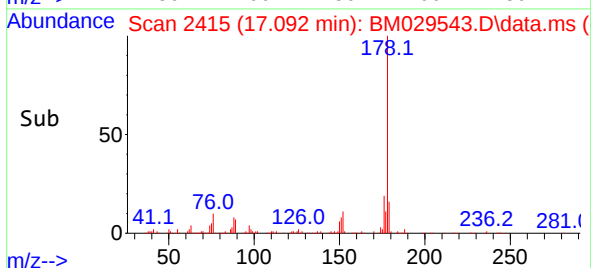
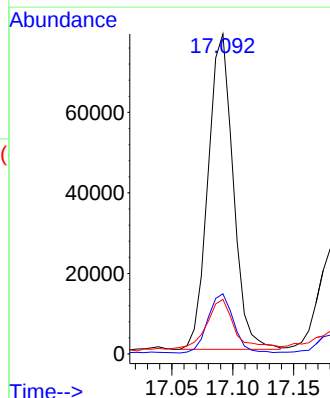
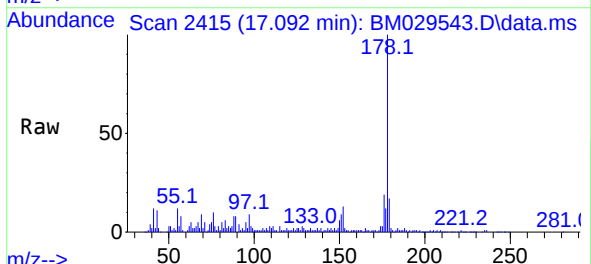
Manual Integrations
APPROVED

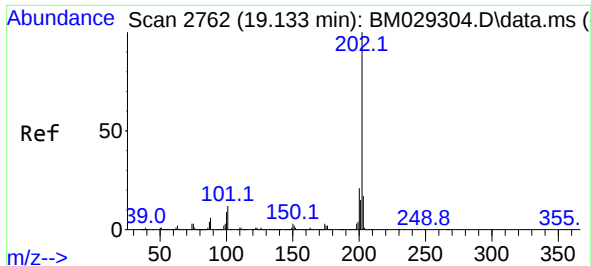
mohammad
4/21/2021 8:35:27 AM



#71
Phenanthrene
Concen: 5.20 ng
RT: 17.092 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41

Tgt Ion:178 Resp: 112373
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 17.1 11.9 17.9





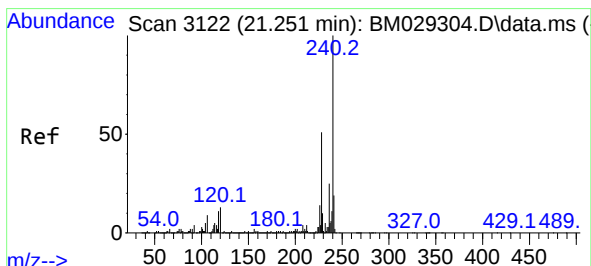
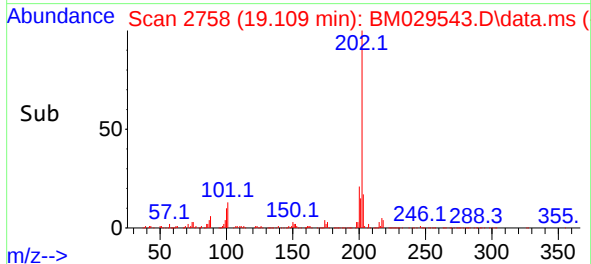
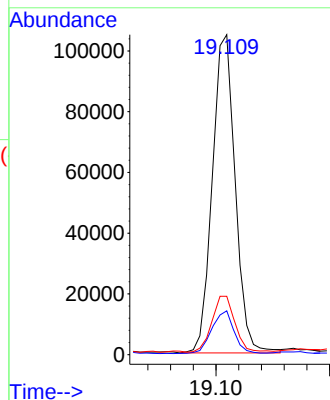
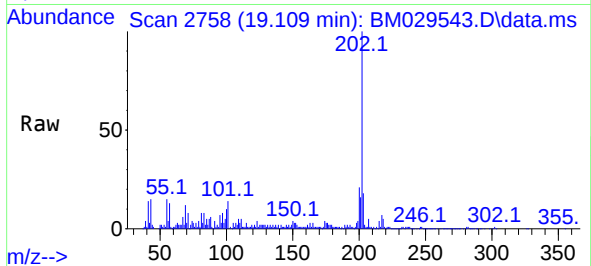
#75
Fluoranthene
Concen: 6.10 ng
RT: 19.109 min Scan# 2758
Delta R.T. -0.006 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41

Tgt Ion:	202	Resp:	146788
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	31.5
203	18.2	0.0	37.7

Instrument :
BNA_M
ClientSampleId :
VNPH2-B-2D

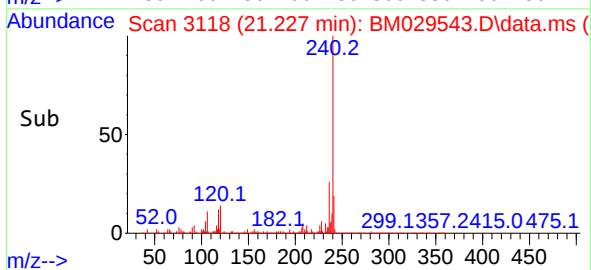
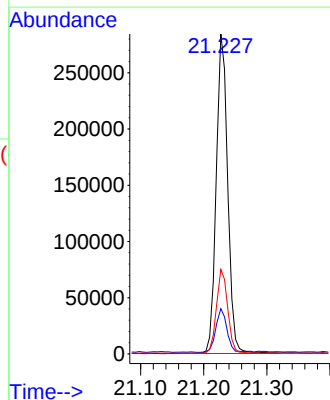
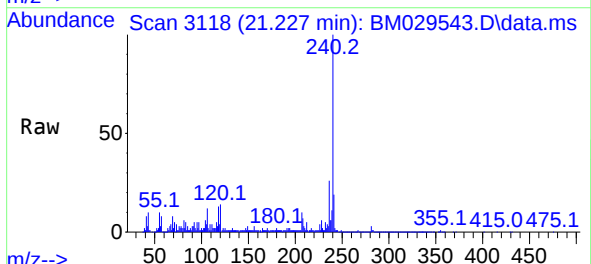
Manual Integrations
APPROVED

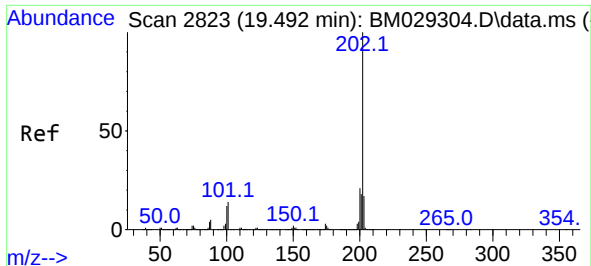
mohammad
4/21/2021 8:35:27 AM



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.227 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41

Tgt Ion:	240	Resp:	358081
Ion Ratio	Lower	Upper	
240	100		
120	14.2	9.0	13.6#
236	26.4	20.3	30.5





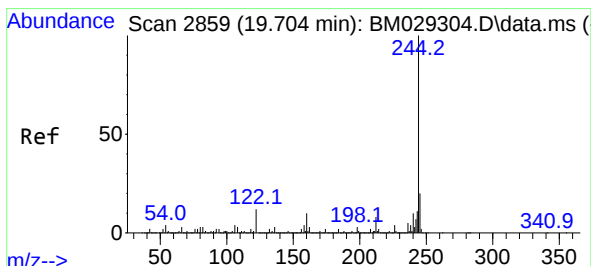
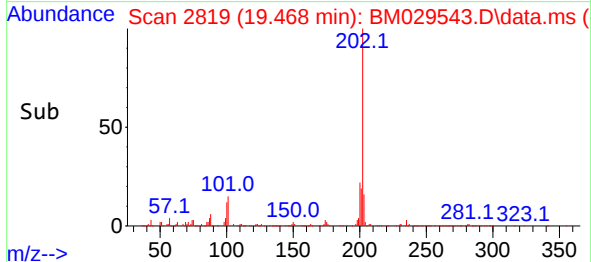
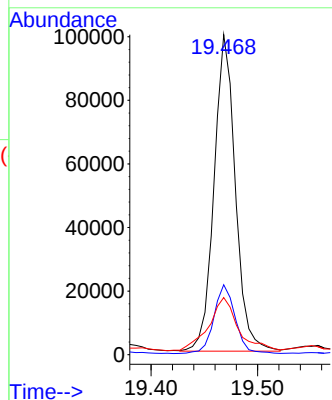
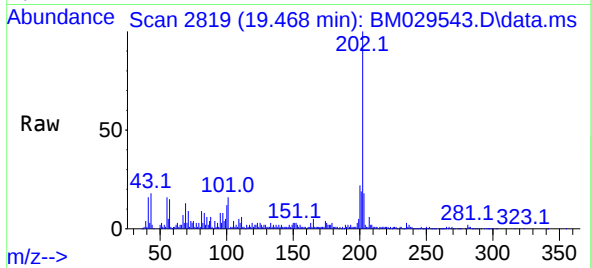
#78
Pyrene
Concen: 5.56 ng
RT: 19.468 min Scan# 2819
Delta R.T. -0.006 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41

Tgt Ion:202 Resp: 138233
Ion Ratio Lower Upper
202 100
200 21.8 17.0 25.6
203 17.8 14.1 21.1

Instrument :
BNA_M
ClientSampleId :
VNPH2-B-2D

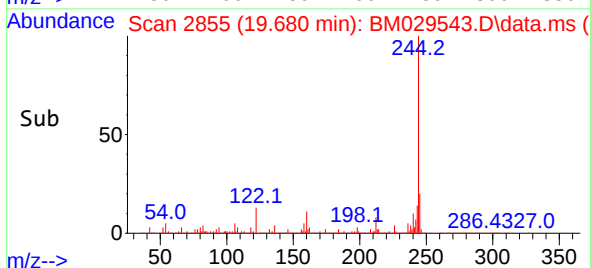
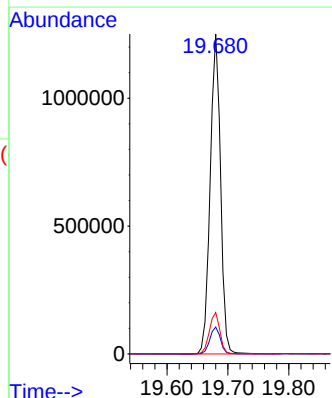
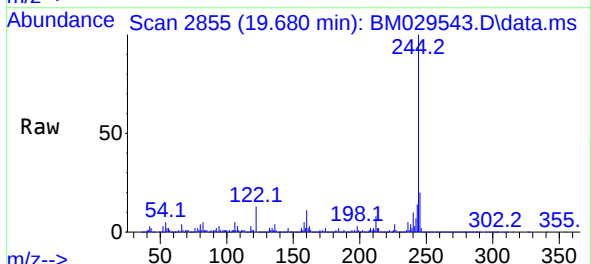
Manual Integrations
APPROVED

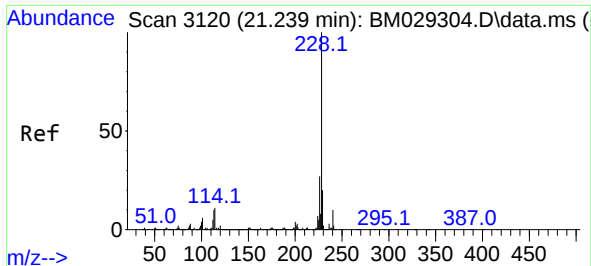
mohammad
4/21/2021 8:35:27 AM



#79
Terphenyl-d14
Concen: 78.53 ng
RT: 19.680 min Scan# 2855
Delta R.T. -0.006 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41

Tgt Ion:244 Resp: 1480553
Ion Ratio Lower Upper
244 100
212 8.4 6.5 9.7
122 12.9 9.2 13.8





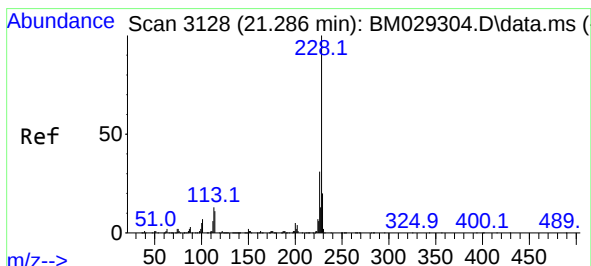
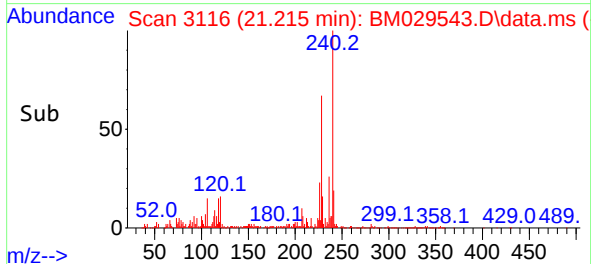
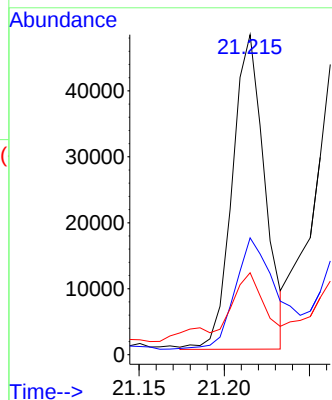
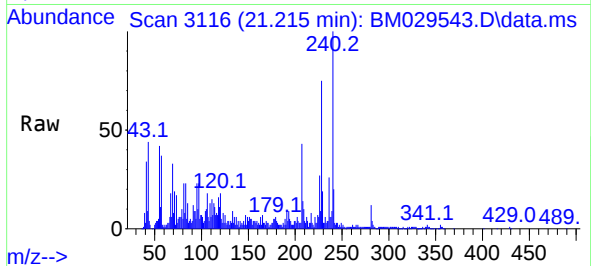
#81
Benzo(a)anthracene
Concen: 2.64 ng
RT: 21.215 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41

Tgt Ion:228 Resp: 63064
Ion Ratio Lower Upper
228 100
226 36.5 21.9 32.9#
229 25.6 15.7 23.5#

Instrument :
BNA_M
ClientSampleId :
VNPH2-B-2D

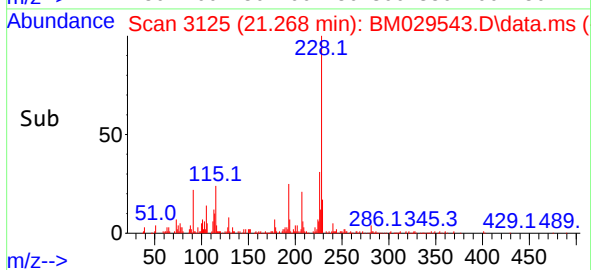
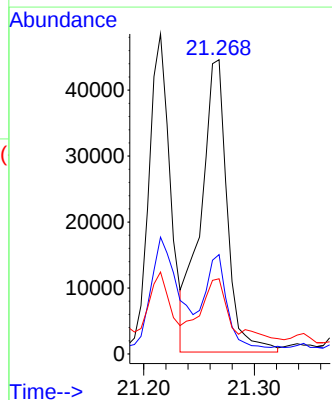
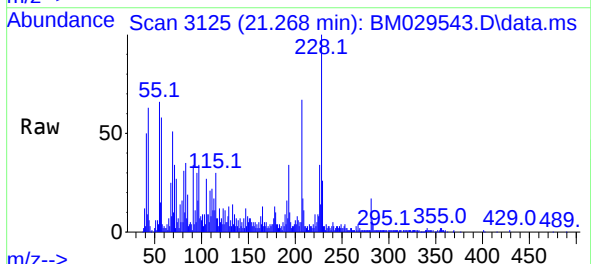
Manual Integrations
APPROVED

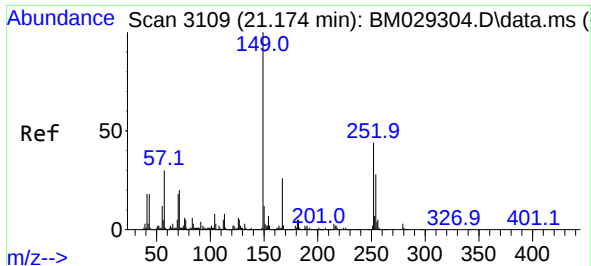
mohammad
4/21/2021 8:35:27 AM



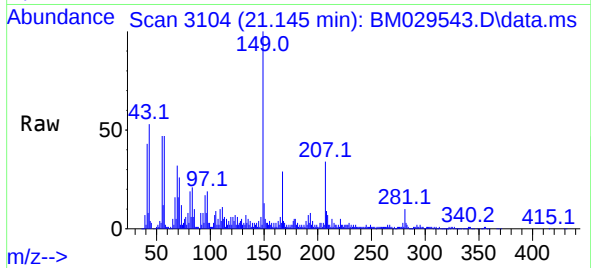
#83
Chrysene
Concen: 3.18 ng m
RT: 21.268 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41

Tgt Ion:228 Resp: 74501
Ion Ratio Lower Upper
228 100
226 33.8 24.7 37.1
229 25.6 15.8 23.6#

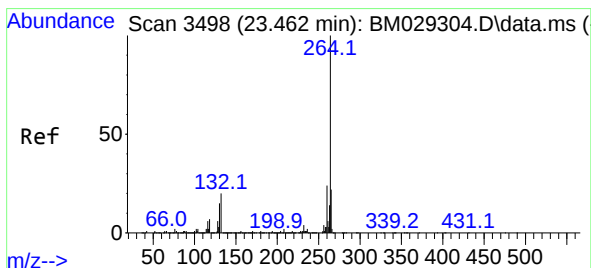
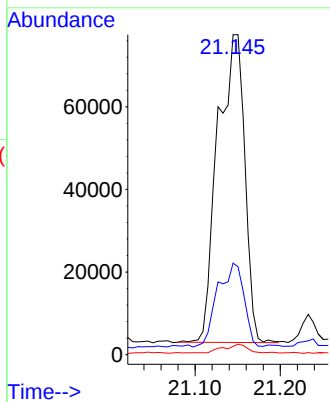
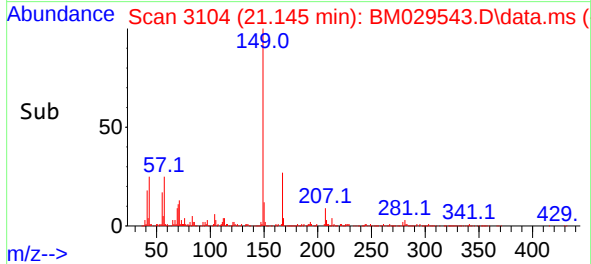




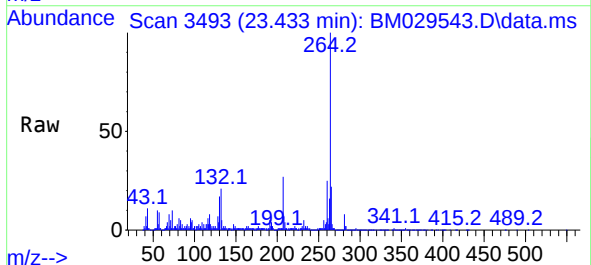
#84
Bis(2-ethylhexyl)phthalate
Concen: 9.50 ng
RT: 21.145 min Scan# 3104
Delta R.T. -0.018 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41



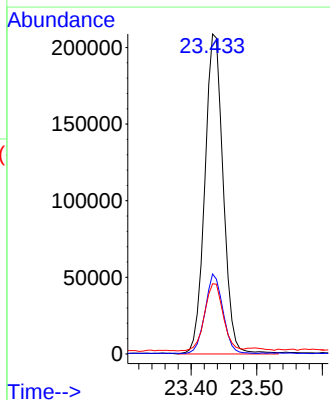
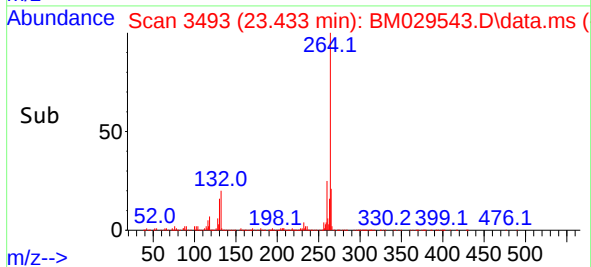
Tgt Ion:149 Resp: 163798
Ion Ratio Lower Upper
149 100
167 28.6 20.6 31.0
279 2.6 3.3 4.9#



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.433 min Scan# 3493
Delta R.T. -0.006 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41



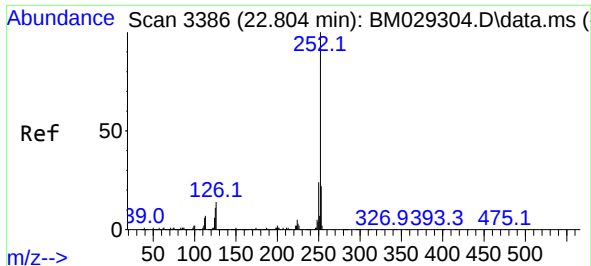
Tgt Ion:264 Resp: 407495
Ion Ratio Lower Upper
264 100
260 25.0 19.6 29.4
265 21.9 17.8 26.8



Instrument :
BNA_M
ClientSampleId :
VNPH2-B-2D

Manual Integrations
APPROVED

mohammad
4/21/2021 8:35:27 AM



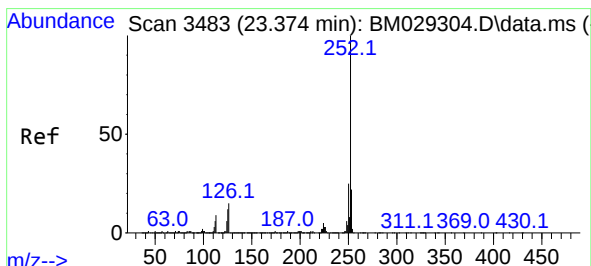
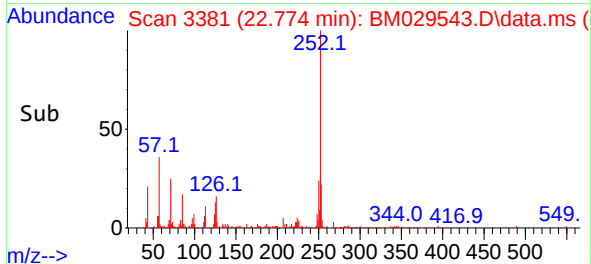
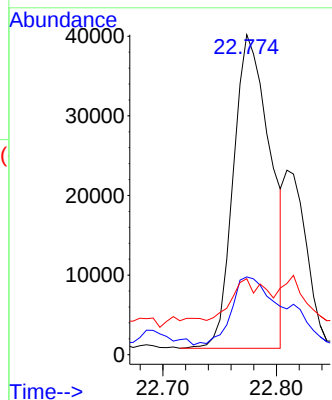
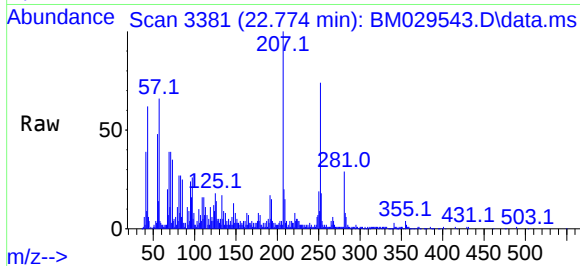
#88
Benzo(b)fluoranthene
Concen: 3.32 ng
RT: 22.774 min Scan# 3381
Delta R.T. -0.006 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41

Tgt Ion:252 Resp: 88841
Ion Ratio Lower Upper
252 100
253 24.3 17.6 26.4
125 23.8 9.0 13.4#

Instrument :
BNA_M
ClientSampleId :
VNPH2-B-2D

Manual Integrations
APPROVED

mohammad
4/21/2021 8:35:27 AM



#90
Benzo(a)pyrene
Concen: 2.70 ng
RT: 23.339 min Scan# 3477
Delta R.T. -0.006 min
Lab File: BM029543.D
Acq: 19 Apr 2021 16:41

Tgt Ion:252 Resp: 66123
Ion Ratio Lower Upper
252 100
253 26.6 17.0 25.4#
125 24.3 9.5 14.3#

